

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB2004/052257

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G02B5/30 C09K19/00 G02F1/1335

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G02B C09K G02F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 806 697 A (SUMITOMO CHEMICAL COMPANY, LIMITED) 12 November 1997 (1997-11-12) page 5, line 9 - page 8, line 48 -----	1-3,6,7, 9,14,15
X	US 6 174 394 B1 (GVON KHAN IR ET AL) 16 January 2001 (2001-01-16) column 9, lines 4-47 column 10, line 26 - column 11, line 12 -----	1,4,5
P,X	EP 1 394 575 A (KHAN, IR GVON) 3 March 2004 (2004-03-03) paragraphs '0023!', '0024! paragraph '0033! paragraph '0065!	1,2,4-7
X	-& WO 02/099480 A (KHAN, IR GVON; BELYAEV, SERGEJ VASILIEVICH; BOROZHTSOV, GEORGY NIKOLAE) 12 December 2002 (2002-12-12) the whole document ----- -/--	1,2,4-7

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the International filing date but later than the priority date claimed

- *T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the International search

9 February 2005

Date of mailing of the International search report

22/02/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Mollenhauer, R

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2004/052257

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 738 918 A (SHEN ET AL) 14 April 1998 (1998-04-14) cited in the application column 3, lines 27-29 -----	1,6
A	US 6 049 428 A (KHAN ET AL) 11 April 2000 (2000-04-11) cited in the application the whole document -----	1
A	KHAN I G ET AL: "ULTRA THIN LCD POLARIZARS WITH HIGH DICHROIC RATIO BASED ON LYOTROPIC DICHROIC DYES" EURODISPLAY 2002. THE 22ND. INTERNATIONAL DISPLAY RESEARCH CONFERENCE. CONFERENCE PROCEEDINGS. NICE, FRANCE, OCT. 2 - 4, 2002, INTERNATIONAL DISPLAY RESEARCH CONFERENCE, BRIVE LA GAILLARDE : LECLUB VISU-SID, FR, vol. CONF. 22, 2002, pages 573-575, XP009033776 ISBN: 2-9507804-3-1 the whole document -----	1
A	WO 02/056066 A (OPTIVA, INC) 18 July 2002 (2002-07-18) page 6, lines 15-24 -----	1,6

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2004/052257

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0806697	A	12-11-1997	CA 2204809 A1	09-11-1997
			EP 0806697 A2	12-11-1997
			JP 3394682 B2	07-04-2003
			JP 10339810 A	22-12-1998
			SG 50020 A1	15-06-1998
			US 5875014 A	23-02-1999
US 6174394	B1	16-01-2001	RU 2047643 C1	10-11-1995
			DE 69428697 D1	22-11-2001
			DE 69428697 T2	08-08-2002
			EP 0700420 A1	13-03-1996
			JP 3492693 B2	03-02-2004
			JP 8511109 T	19-11-1996
			WO 9428073 A1	08-12-1994
			US 5739296 A	14-04-1998
EP 1394575	A	03-03-2004	RU 2207603 C2	27-06-2003
			CA 2449700 A1	12-12-2002
			EP 1394575 A1	03-03-2004
			JP 2004528603 T	16-09-2004
			US 2004232394 A1	25-11-2004
			CN 1478208 T	25-02-2004
			WO 02099480 A1	12-12-2002
WO 02099480	A	12-12-2002	RU 2207603 C2	27-06-2003
			CA 2449700 A1	12-12-2002
			CN 1478208 T	25-02-2004
			EP 1394575 A1	03-03-2004
			JP 2004528603 T	16-09-2004
			WO 02099480 A1	12-12-2002
			US 2004232394 A1	25-11-2004
US 5738918	A	14-04-1998	EP 0904555 A1	31-03-1999
			JP 2000512035 T	12-09-2000
			WO 9747996 A1	18-12-1997
US 6049428	A	11-04-2000	RU 2110822 C1	10-05-1998
			RU 2110818 C1	10-05-1998
			RU 2114884 C1	10-07-1998
			AU 4405996 A	17-06-1996
			DE 69530313 D1	15-05-2003
			DE 69530313 T2	19-02-2004
			EP 1158320 A2	28-11-2001
			EP 1158321 A2	28-11-2001
			EP 0792257 A1	03-09-1997
			JP 2002515075 T	21-05-2002
			WO 9616015 A1	30-05-1996
WO 02056066	A	18-07-2002	RU 2222429 C2	27-01-2004
			CN 1484772 T	24-03-2004
			EP 1352270 A1	15-10-2003
			JP 2004517754 T	17-06-2004
			WO 02056066 A1	18-07-2002
			US 2002093611 A1	18-07-2002